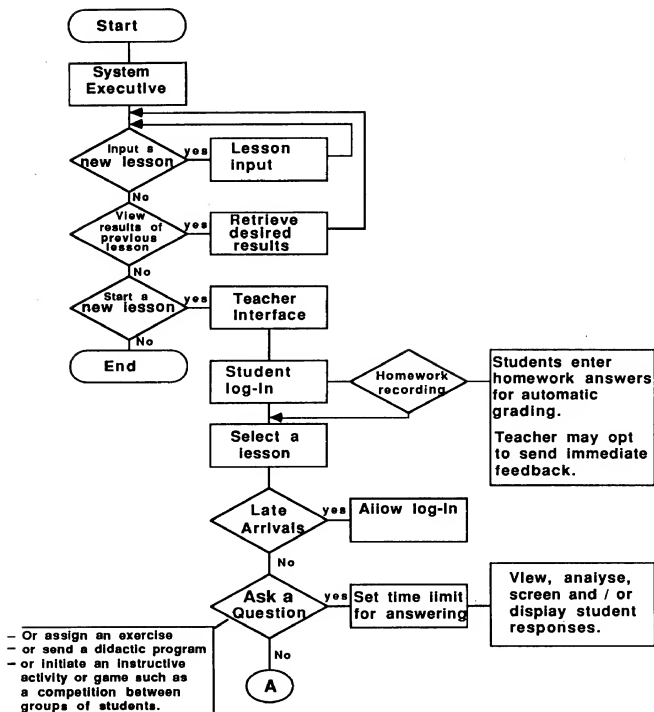


**Figure 1. Block Diagram According to one Embodiment**



**Figure 2A**

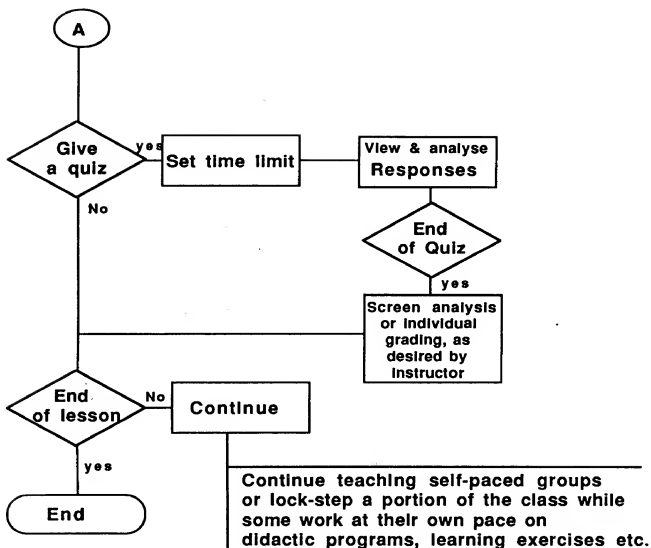


Figure 2A (cont'd)

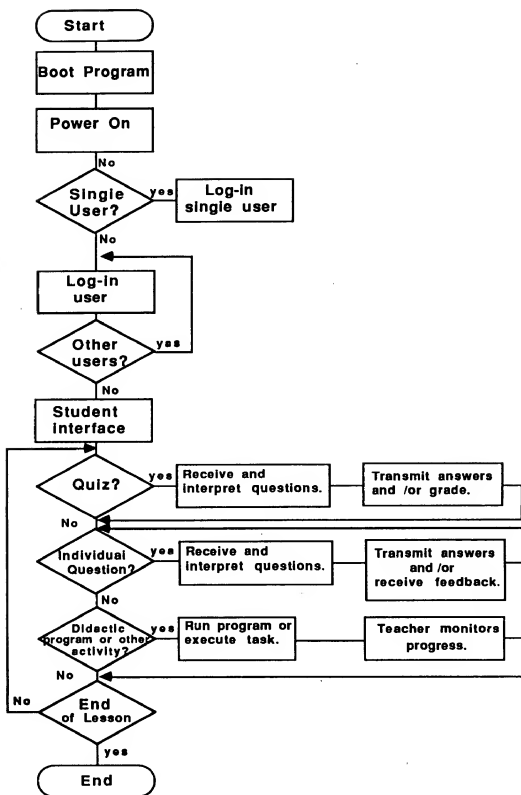


Figure 2B

## Flow Chart

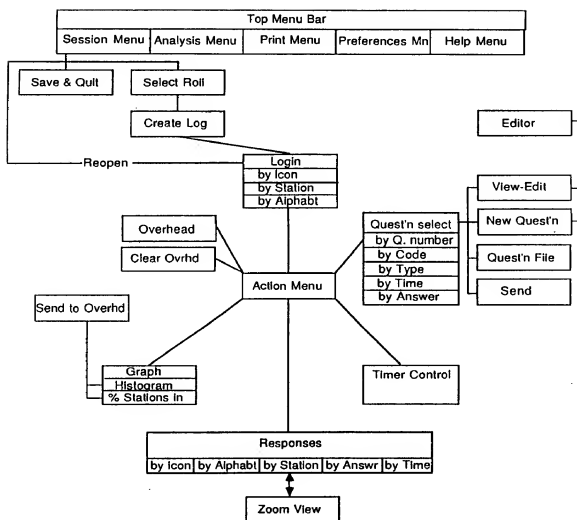


Figure 3A

## Example of Session Flows

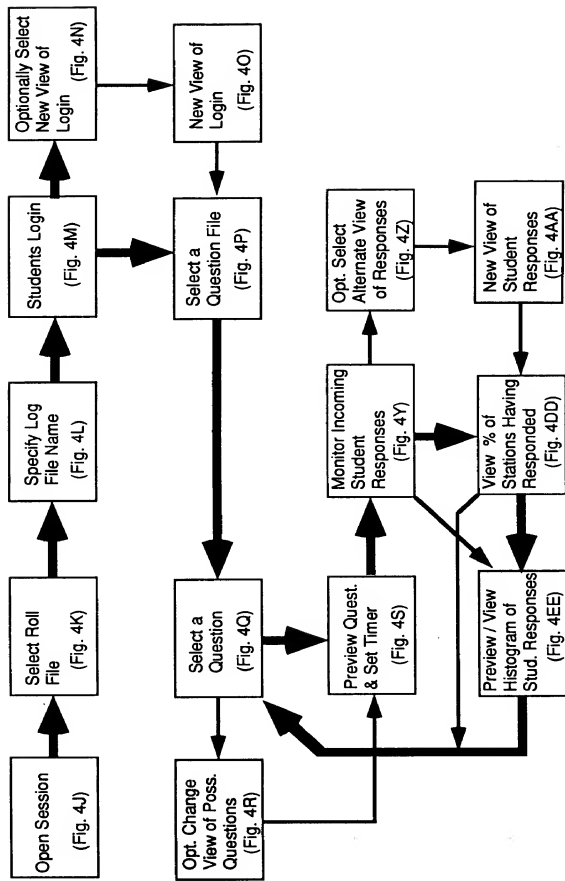


Fig. 3B

fig. 4A

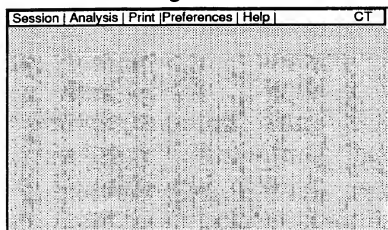


fig. 4B

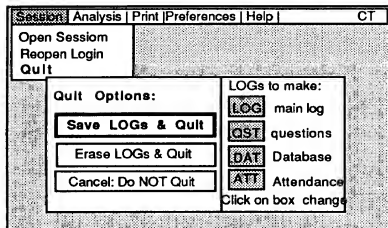


fig. 4C

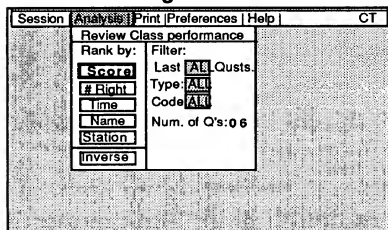


fig. 4D

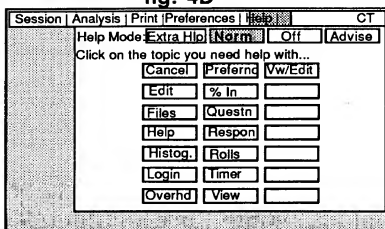


fig. 4E

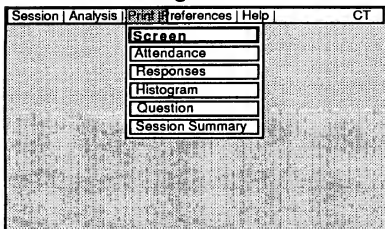


fig. 4F

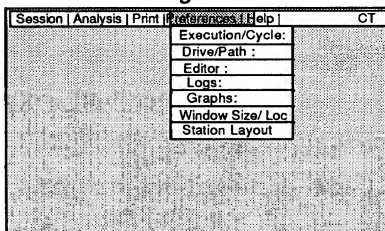




fig. 4G

Session	Analysis	Print	Preferences	Help	CT
Drive/Path Specifics:					
File: Drive\Path					
.ROL <input type="text" value="C:\NFO\"/>					
.OST <input type="text" value="C:\NFO\"/>					
.LOG <input type="text" value="C:\NFO\"/>					
<input type="button" value="Accept"/> <input type="button" value="Cancel"/>					

fig. 4H

Session	Analysis	Print	Preferences	Help	CT
Execution / Cycle					
Auto Execution:					
<input checked="" type="radio"/> On <input type="radio"/> Off <input type="button" value="Quiz"/>					
Use <input type="text" value="Cycle"/>					
<input type="button" value="Prev. Sequ"/>					
Cycle: <input type="text" value="QDTSH10"/>					
Q=Q.Select S=Stations					
D=display question on Ovhd					
G=Graphs C=Clear Ovhd					
E=Vw/Edit T=Timer					
10=pause 10 sec.					
<input type="button" value="Accept"/> <input type="button" value="Cancel"/>					

fig. 4I

Session	Analysis	Print	Preferences	Help	CT
Editor Preferences:					
Overwrite <input checked="" type="checkbox"/> Insert <input type="checkbox"/>					
Defaults:					
Type: <input type="text" value="MC"/> Time: <input type="text" value="30"/>					
Code: <input type="text" value="XXX"/> Answer: <input type="text" value="ABC"/>					
<input type="button" value="Accept"/> <input type="button" value="Cancel"/>					

fig. 4J

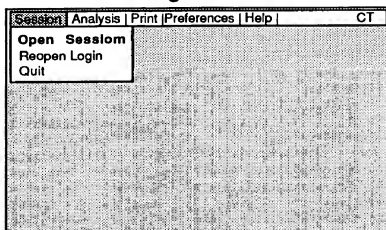


fig. 4K

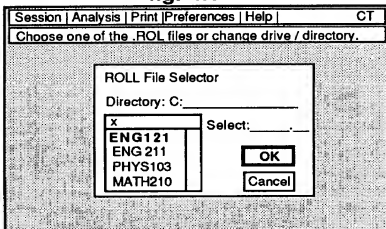


fig. 4L

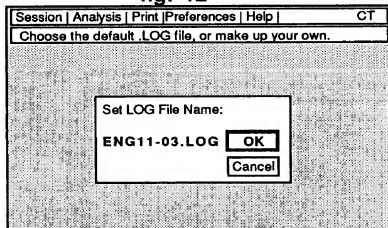


fig. 4M

Session   Analysis   Print   Preferences   Help		CT
<Enter> to close LOGIN		
Timer	x	Login by Icon ENG121
Question	Close	
Stations	Display	
Graphs	Change	
Overhead	Roll file	
Clear		
0	A	V

fig. 4N

Session   Analysis   Print   Preferences   Help		CT
Click on Roll to see student names ordered by station #.		
Timer	x	Login by Icon ENG121
Question	Close	
Stations	Display	
Graphs	Change	Icon
Overhead	Roll file	Roll
Clear		Cancel
		by Alphabet
		by ID #
		by Station
		by Time
0	A	V

fig. 4O

Session   Analysis   Print   Preferences   Help		CT
<Enter> to close LOGIN. View to change view of LOGIN		
Timer	x	Login by Station ENG121
Question	Close	00 L. Abrak
Stations	Display	01 S. Ball F. Mank
Graphs	Change	03 T. Quill B. Long
Overhead	Roll file	04 F. Grunt A. Short I.Q. Test
Clear		09 R. Mast
		12 R. Knapp
		23 Alan Atkins
0	A	V

fig. 40'

Session   Analysis   Print   Preferences   Help   CT			
<Enter> to close LOGIN. View to change view of LOGIN			
Timer	x	Login by Alphabt ENG121	
Question	Close	00 L. Abrak	8236
Stations	Display	23 Alan Atkins	9345
Graphs	Change	01 S. Ball	7360
Overhead	Roll file	F. Brinker	4581
Clear		04 F. Grunt	5216
		12 R. Knapp	2316
		Tom King	3862
		03 B. Long	5592
		01 F. Mark	4083
		09 R. Mast	8437
		03 T. Quill	3392
		04 A. Short	6179
0	A V		

fig. 4P

Session   Analysis   Print   Preferences   Help   CT	
Select question file, or change drive / directory.	
Timer	Question
Question	<div style="border: 1px solid black; padding: 5px;"> <p>QUESTION File Selector</p> <p>Directory: C: _____</p> <p>Select: _____</p> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;"> x REVW-9 MECH1-3 MECH2-5 QUIZ-9 </div> <div> <input type="button" value="OK"/>  <input type="button" value="Cancel"/> </div> </div> </div>
Stations	
Graphs	
Overhead	
Clear	
0	

fig. 4Q

Session   Analysis   Print   Preferences   Help   CT				
Select view -- order of questions in list.				
Timer	x	REVW-9 Question by Number		
Question	Close	Tr   Code   First Line / Title   An   TI		
Stations	Display	MC MC11 A lever arm 10 m	AD 35	
Graphs		Nu MA21 Calculate the for	4.2 80	
Overhead	Q. File	MC GR09 A ball falling from	B 20	
Clear	Vw/Edit			
	New Q.			
0	A V	Send		

fig. 4R

Session   Analysis   Print   Preferences   Help   CT					
Select view -- order of questions in list...					
Timer	x REVW-9 Question by Number				
Question	Close	MC	MC11	A lever arm 10 m	AD 35
Stations	Display	Nu	MA2	Calculate the for	4.2 80
Graphs				ball falling from	B 20
Overhead	Q. File	Taxi			
Clear	Vw/Edi	by type			
	New Q.	by Number			
		by Code			
0	A	Send			
	V	by Answer			

fig. 4S

Session   Analysis   Print   Preferences   Help   CT					
<Enter> to start clock, or   to add or sub. time. 1:20					
Timer	x REVW-9 Overhead Nu 4.2				
Question	Time Left	01:20			
Stations	Zero	force needed to hold a 1.65 kg			
Graphs		stationary on a ramp inclined at an			
Overhead	Start	degrees.			
Clear	Cancel	_____ Newtons			
0	A	01:20			
	V				

fig. 4T

Session   Analysis   Print   Preferences   Help   CT					
Press <Enter> to send this question to overhead. 1:13					
Timer	x View / Edit				
Question	Which of the following				
Stations	is the closest to the				
Graphs	correct value for the				
Overhead	acceleration of gravity				
Clear	A: 8.9 m/sec^2				
	B: 980 ft/sec^2				
	C: 9.8 m_				
q	A	Question # 6			
	V	Defaults:			
		Type:	MC	Time:	30
		Code:	MX	Answer:	ABC
		Cancel			Send

fig. 4U

Session   Analysis   Print   Preferences   Help		CT
<Enter> to start clock, or     to add or sub. time. 1:20		
Timer	x REVW-9 Overhead	Nu 4.2
Question	Calculate the force needed to hold a 1.65 kg block of ice stationary on a ramp incline at an angle of 45 degrees.	
Stations		
Graphs		
Overhead		
Clear		
		01:20

fig. 4V

Session   Analysis   Print   Preferences   Help		CT
<Enter> to start clock, or     to add or sub. time. 1:20		
Timer	x REVW-9 Overhead	Gr 3.2
Question	Specify the grid coordinates for the best location for house on the specified lot. H.V	
Stations		
Graphs		
Overhead		
Clear		
		00:20

fig. 4W

Session   Analysis   Print   Preferences   Help		CT
<Enter> to start clock, or     to add or sub. time. 1:20		
Timer	x REVW-9 Overhead	Tx
Question	List several of the famous Greek thinkers linking each to his or her most important contribution to philosophy or science.	
Stations		
Graphs		
Overhead		
Clear		
		05:00

fig. 4X

Session   Analysis   Print   Preferences   Help		CT
<Enter> to start clock, or     to add or sub. time. 1:20		
Timer	x REVW-9 Overhead Se 3582761094	
Question	Put the names in chronological order:	
Stations	1:Cavendish 6:Newton	
Graphs	2:Kepler 7:Pascal	
Overhead	3:Aristotle 8:Copernicus	
Clear	4:Einstein 9:Faraday	
	5:Bacon 0:Gauss	
Type the number of the oldest scientist first. Then the next oldest, etc		02:00
0	A	V

fig. 4Y

Session   Analysis   Print   Preferences   Help		CT
Press <Enter> to view histogram of responses in. 1:13		
Timer	x REVW-9 Stations by Icon Nu 4.2	
Question	Close	
Stations	Display	
Graphs	Cancel Q	
Overhead		
Clear		
1	A	V

fig. 4Z

Session   Analysis   Print   Preferences   Help		CT
Click on Roll to see names ordered by station #. 00:57		
Timer	x REVW-9 Response by Icon Nu 4.2	
Question	Close	
Stations	Display	
Graphs	Icon	
Overhead	Text	
Clear	Cancel	
	by Alphabet	
	by Station	
	by Answer	
	by Time	
1	A	V

fig. 4AA

Session   Analysis   Print   Preferences   Help		CT
Press <Enter> to view graphs of responses in. 1:13		
Timer	x REVW-9 Stations by Text #8 Nu 3E-4	
Question	Close	Sta#01 Louie Abr.Fred Hart. R
Stations	Display	x8 Nu 1357 25
Graphs	Cancel Q	Sta#02 Betty Cor. Jane Webb
Overhead		x8 Nu 4E-4 57
		Sta#03 John Doe. Ralph Nex
		√8 Nu 3E-4 93
		Sta#04 Greg Brow. Peter Fau
		√8 Nu 3E-4 23

fig. 4BB

Session   Analysis   Print   Preferences   Help		CT
Press <Enter> to view histogram of responses in. 1:13		
Timer	x REVW-9 Stations by Icon Nu 4.2	
Question	Close	
Stations	Display	
Graphs	Cancel Q	
Overhead		
Clear		x zoom Sta#33 Louie Abr. Fred Hart Robrt Kna A √ Mc Ti:25 S:5.3
1	A	√

fig. 4CC

Session   Analysis   Print   Preferences   Help		CT
Press <Enter> to view graphs of responses in. 1:13		
Timer	x REVW-9 Stations by Icon #5 Nu 4.2	
Question	Close	
Stations	Display	
Graphs	Cancel Q	
Overhead		



fig. 4DD

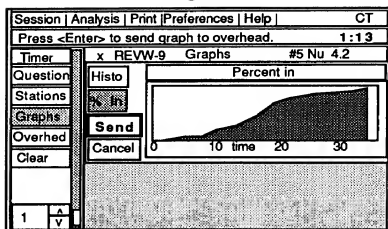
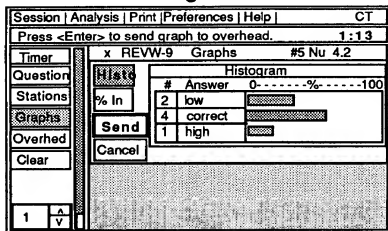


fig. 4EE



Histogram of Class Response

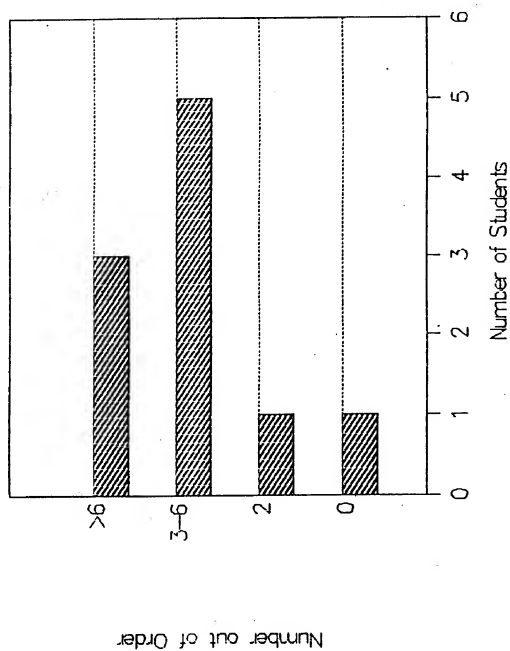


Figure 5A

# Combined Class Response to Sequence Question

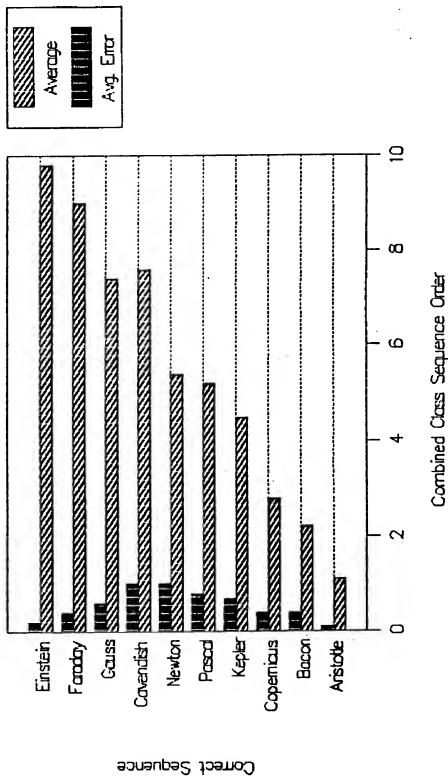


Figure 5B